

Title (en)

AUTOMATIC INFUSION SYSTEM BASED ON AN ADAPTIVE PATIENT MODEL

Title (de)

AUTOMATISCHES INFUSIONSSYSTEM BASIEREND AUF EINEM ADAPTIVEN PATIENTENMODELL

Title (fr)

SYSTEME DE PERFUSION AUTOMATIQUE REPOSANT SUR UN MODELE ADAPTATIF DE PATIENT

Publication

EP 1487518 A1 20041222 (EN)

Application

EP 03711717 A 20030324

Priority

- BE 0300050 W 20030324
- GB 0206792 A 20020322

Abstract (en)

[origin: EP2193814A1] A control system is described for use with a system configured to maintain normoglycemia in a subject under a condition of insulin resistance or under a condition of increased glucose turnover, the system having a sensor to measure glycemia level in a subject and a programmable actuator to delivery a blood glucose regulator to said subject, wherein the control system is configurable to adapt the administration levels of the blood glucose regulator to a desired glycemia level in said subject, the control system comprising an adaptive model; - wherein the adaptive model is configurable so that in the initial phase it is based on the factors patient profile and on-admission parameters that determine an initial model and in a later phase on factors that influence the dynamic behaviour of the patient.

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A61M 5/142; **A61M 5/172**

IPC 8 full level

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CPC (source: EP US)

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Cited by

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DOCDB simple family (publication)

WO 03080157 A1 20031002; AT E457760 T1 20100315; AU 2003218533 A1 20031008; DE 60331294 D1 20100401; DK 1487518 T3 20100503; EP 1487518 A1 20041222; EP 1487518 B1 20100217; EP 2193814 A1 20100609; GB 0206792 D0 20020501; US 2005171503 A1 20050804; US 7491187 B2 20090217

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